

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101521\  
 Data File : BN016976.D  
 Acq On : 15 Oct 2021 15:51  
 Operator : CG/JU  
 Sample : SSTD04025  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD040225

Manual Integrations  
 APPROVED

mohammad  
 10/19/2021 12:08:29 PM

Quant Time: Oct 15 16:21:17 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101521MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 15 15:46:00 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.546  | 152  | 102586   | 20.00 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.322 | 136  | 495653   | 20.00 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.204 | 164  | 335243   | 20.00 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 16.957 | 188  | 727112   | 20.00 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.169 | 240  | 768710   | 20.00 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.386 | 264  | 874998   | 20.00 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8             | 3.069  | 96   | 35535    | 14.66 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.464  | 84   | 279708   | 41.90 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.734  | 99   | 366286   | 45.08 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.893  | 67   | 209420   | 43.95 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.081  | 132  | 287182   | 44.59 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.269  | 113  | 302920   | 47.67 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.699  | 128  | 147091   | 46.34 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.416  | 143  | 167783   | 52.75 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.951  | 165  | 304890   | 46.35 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.469 | 131  | 445285   | 44.48 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.628 | 166  | 926428   | 43.17 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.892 | 160  | 1177589  | 42.54 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.428 | 143  | 196051   | 47.83 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.204 | 176  | 789935   | 42.08 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.334 | 200  | 176183   | 51.48 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.057 | 188  | 1252671  | 41.03 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.363 | 212  | 1421522  | 39.19 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.245 | 264  | 1823016  | 43.53 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.105  | 88   | 40344    | 15.58 | ng/uL  | 100      |
| 5) Pyridine                   | 3.481  | 79   | 280128   | 41.69 | ng/ul  | 97       |
| 6) Benzaldehyde               | 6.693  | 77   | 215627   | 49.73 | ng/ul  | 96       |
| 8) Phenol                     | 6.763  | 94   | 377392   | 44.76 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 6.987  | 93   | 290611   | 44.16 | ng/ul  | 100      |
| 12) 2-Chlorophenol            | 7.110  | 128  | 293900   | 44.44 | ng/ul  | 100      |
| 13) 2-Methylphenol            | 7.999  | 108  | 289457   | 46.34 | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.087  | 45   | 377030m  | 42.07 | ng/ul  |          |
| 16) Acetophenone              | 8.369  | 105  | 474928   | 48.19 | ng/ul  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.363  | 70   | 238902   | 50.59 | ng/ul  | 99       |
| 18) 4-Methylphenol            | 8.328  | 108  | 327017   | 48.38 | ng/ul  | 94       |
| 19) Hexachloroethane          | 8.610  | 117  | 111360   | 43.03 | ng/ul  | 95       |
| 22) Nitrobenzene              | 8.740  | 77   | 343038   | 45.27 | ng/ul  | 100      |
| 23) Isophorone                | 9.263  | 82   | 689922   | 48.18 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.446  | 139  | 184078   | 50.55 | ng/ul  | 97       |
| 26) 2,4-Dimethylphenol        | 9.522  | 107  | 356509   | 44.99 | ng/ul  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.757  | 93   | 420764   | 43.91 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 9.981  | 162  | 296612   | 45.06 | ng/ul  | 99       |
| 30) Naphthalene               | 10.375 | 128  | 1008393  | 41.77 | ng/ul  | 98       |
| 32) 4-Chloroaniline           | 10.493 | 127  | 459435   | 44.62 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.657 | 225  | 172432   | 41.56 | ng/ul  | 98       |
| 34) Caprolactam               | 11.251 | 113  | 114832m  | 53.08 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.634 | 107  | 340681   | 48.64 | ng/ul  | 96       |
| 36) 2-Methylnaphthalene       | 11.998 | 142  | 709679   | 44.05 | ng/ul  | 99       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.222 | 142  | 714754   | 43.64 | ng/ul | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.375 | 216  | 358485   | 39.75 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.351 | 237  | 227265   | 40.83 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.622 | 196  | 248528   | 45.54 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.692 | 196  | 273166   | 45.39 | ng/ul | 94       |
| 43) 1,1'-Biphenyl             | 13.028 | 154  | 939955   | 39.81 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.069 | 162  | 723127   | 40.08 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.281 | 65   | 216337   | 50.77 | ng/ul | 98       |
| 47) Dimethylphthalate         | 13.675 | 163  | 945204   | 43.34 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 13.792 | 165  | 200813   | 51.81 | ng/ul | 97       |
| 50) Acenaphthylene            | 13.922 | 152  | 1224596  | 41.97 | ng/ul | 99       |
| 51) 3-Nitroaniline            | 14.122 | 138  | 219732   | 49.04 | ng/ul | 99       |
| 52) Acenaphthene              | 14.269 | 153  | 781264   | 40.90 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.328 | 184  | 126453   | 57.32 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.445 | 109  | 140072   | 47.54 | ng/ul | 98       |
| 56) Dibenzofuran              | 14.604 | 168  | 1114644  | 41.06 | ng/ul | 99       |
| 57) 2,4-Dinitrotoluene        | 14.586 | 165  | 291433   | 52.30 | ng/ul | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.839 | 232  | 234977   | 50.13 | ng/ul | 93       |
| 59) Diethylphthalate          | 15.051 | 149  | 956373   | 43.35 | ng/ul | 100      |
| 61) Fluorene                  | 15.257 | 166  | 889835   | 41.10 | ng/ul | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.263 | 204  | 432249   | 40.67 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.292 | 138  | 222868   | 51.61 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.351 | 198  | 179030   | 51.41 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.481 | 169  | 799348   | 40.38 | ng/ul | 100      |
| 68) 4-Bromophenyl-phenylether | 16.157 | 248  | 291003   | 43.28 | ng/ul | 94       |
| 69) Hexachlorobenzene         | 16.263 | 284  | 351747   | 45.47 | ng/ul | 96       |
| 70) Atrazine                  | 16.445 | 200  | 298916   | 42.43 | ng/ul | 97       |
| 71) Pentachlorophenol         | 16.610 | 266  | 215046   | 48.39 | ng/ul | 97       |
| 72) Phenanthrene              | 16.998 | 178  | 1480847  | 40.37 | ng/ul | 99       |
| 74) Anthracene                | 17.092 | 178  | 1486377  | 40.19 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 12.987 | 216  | 382776   | 38.34 | ng/uL | 97       |
| 76) Pentachlorobenzene        | 14.522 | 250  | 405494   | 42.01 | ng/uL | 96       |
| 77) Carbazole                 | 17.369 | 167  | 1402439  | 42.59 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 17.951 | 149  | 1665831  | 44.88 | ng/ul | 99       |
| 80) Fluoranthene              | 19.027 | 202  | 1795968  | 39.63 | ng/ul | 99       |
| 82) Pyrene                    | 19.392 | 202  | 1826234  | 38.67 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.321 | 149  | 777414   | 48.13 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.098 | 252  | 700528   | 46.04 | ng/ul | 96       |
| 85) Benzo(a)anthracene        | 21.157 | 228  | 1835496  | 40.64 | ng/ul | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.110 | 149  | 1152864  | 44.81 | ng/ul | 99       |
| 87) Chrysene                  | 21.210 | 228  | 1801094  | 40.77 | ng/ul | 98       |
| 89) Di-n-octyl phthalate      | 21.992 | 149  | 2047533  | 41.54 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 22.721 | 252  | 2099287  | 41.14 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 22.768 | 252  | 1965958  | 40.22 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.292 | 252  | 2059027  | 41.57 | ng/ul | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.627 | 276  | 2540905  | 53.85 | ng/ul | 98       |
| 95) Dibenzo(a,h)anthracene    | 25.639 | 278  | 2136690  | 43.98 | ng/ul | 100      |
| 96) Benzo(g,h,i)perylene      | 26.309 | 276  | 2180956  | 46.22 | ng/ul | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

